

## 01350101 SCHOHARIE CREEK AT GILBOA, NY

LOCATION.--Lat 42°23'50", long 74°27'03", Schoharie County, Hydrologic Unit 02020005, on left bank 200 ft upstream from bridge on County Highway 322, 0.2 mi west of village of Gilboa, 0.4 mi downstream from dam on Schoharie Reservoir, and 0.8 mi upstream from the Platter Kill.

DRAINAGE AREA.--316 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1975 to current year (since October 1983, discharges only for days of Schoharie Reservoir spill and since October 1989, discharges only for days of mean flow exceeding 10 ft<sup>3</sup>/s).

REVISED RECORDS.--WDR NY-90-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 939.56 ft above NGVD of 1929.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Entire flow, runoff from 315 mi<sup>2</sup>, except for periods of spill, diverted from Schoharie Reservoir through Shandaken Tunnel into Esopus Creek upstream from Ashokan Reservoir for water supply of city of New York. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,800 ft<sup>3</sup>/s, Jan. 19, 1996, gage height, 30.60 ft, outside gage height, 32.2 ft, from floodmark, from rating curve extended above 14,000 ft<sup>3</sup>/s on basis of flow-over-dam measurement of peak flow; minimum daily discharge, 0.04 ft<sup>3</sup>/s on many days, June to October 1976, and Sept. 11-13, 1980, but may have been lower since October 1983 (see PERIOD OF RECORD); minimum instantaneous discharge not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, about 65,000 ft<sup>3</sup>/s, Oct. 16, 1955, by computation of flow over dam; flood of Mar. 18, 1936, reached a discharge of 32,000 ft<sup>3</sup>/s, from information furnished by Bureau of Water Resources Development, City of New York.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29,900 ft<sup>3</sup>/s, Sept. 18, gage height, 22.25 ft, outside gage height was 24.22 ft, from crest-stage gage; minimum discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,430	1,800	1,420	922	e58	---	1,920	698	730	---	---	123
2	1,150	1,480	1,120	822	e38	---	4,530	645	752	---	---	45
3	787	1,220	862	902	e24	835	2,180	852	699	---	---	---
4	581	1,020	783	1,240	e26	1,080	1,620	836	417	---	---	---
5	811	891	730	1,250	e24	1,350	1,260	719	28	---	---	---
6	795	967	690	1,000	e37	3,120	971	661	---	---	---	---
7	677	789	653	656	e50	2,310	860	563	230	---	---	---
8	600	665	565	564	e56	1,560	765	494	285	---	---	---
9	532	577	508	524	e43	1,120	674	464	303	---	---	751
10	454	516	543	377	e30	883	591	457	387	---	---	2,260
11	329	472	6,750	375	e20	860	527	475	66	---	---	883
12	280	509	5,200	488	e11	857	476	437	13	---	---	537
13	245	500	2,250	518	---	667	1,030	416	---	---	---	374
14	246	433	1,610	364	---	543	1,780	431	---	---	293	328
15	1,060	361	1,370	314	---	565	1,350	378	---	---	1,040	273
16	917	337	1,190	e290	---	526	1,020	403	---	---	2,760	199
17	578	338	1,530	e250	---	462	848	346	---	---	2,070	209
18	465	341	2,220	e210	---	423	833	329	---	---	1,230	15,900
19	453	481	1,440	e190	---	363	970	386	---	---	872	5,170
20	482	7,890	1,120	e160	---	325	818	336	---	---	694	2,570
21	449	2,960	911	e140	---	530	736	283	---	---	1,150	1,560
22	422	1,890	860	e130	---	414	629	265	---	---	1,100	1,070
23	414	1,460	910	e120	---	299	872	326	---	---	705	786
24	364	1,180	7,630	e110	---	364	1,050	475	---	---	524	628
25	330	1,310	6,530	e96	---	516	811	1,130	---	---	345	532
26	306	1,030	2,840	e82	---	734	1,400	844	---	---	245	474
27	4,880	887	1,890	e76	---	1,420	1,510	1,750	---	---	142	395
28	5,700	912	1,500	e88	---	1,560	1,120	1,260	---	---	86	1,510
29	7,950	3,570	1,270	e84	---	1,270	920	905	---	---	68	2,710
30	4,300	1,840	1,220	e76	---	1,070	786	683	---	---	40	1,590
31	2,420	---	1,110	e68	---	1,030	---	577	---	---	82	---
TOTAL	40,407	38,626	59,225	12,486	---	---	34,857	18,824	---	---	---	---
MEAN	1,303	1,288	1,910	403	---	---	1,162	607	---	---	---	---
MAX	7,950	7,890	7,630	1,250	---	---	4,530	1,750	---	---	---	---
MIN	245	337	508	68	---	---	476	265	---	---	---	---

e Estimated

01350101 SCHOHARIE CREEK AT GILBOA, NY—Continued

